

# REGULATING RAILROAD INNOVATION



BUSINESS, TECHNOLOGY, AND  
POLITICS IN AMERICA, 1840–1920

**STEVEN W. USSELMAN**

# Regulating Railroad Innovation Business Technology And Politics In America 1840 1920

**Charity Vogel**



## **Regulating Railroad Innovation Business Technology And Politics In America 1840 1920:**

*Regulating Railroad Innovation* Steven W. Usselman, 2002      **Railroads and American Political Development**

Zachary Callen, 2016-09-09 America's founders envisioned a federal government of limited and enumerated powers. What they could not envision of course was the vast and complex infrastructure that the growing nation would demand, a demand that became ever clearer as the power and importance of railroads emerged. The requirements of a nationwide rail network it also became clear far exceeded the resources of state and local government and private industry. The consequences as seen in this book amounted to state building from the ground up. In *Railroads and American Political Development* Zachary Callen tells the story of the federal government's role in developing a national rail system and the rail system's role in expanding the power of the federal government. The book reveals how state building so often attributed to an aggressive national government can also result from local governments making demands on the national state, a dynamic that can still be seen at work every time the US Congress takes up a transportation bill. Though many states invested in their local railroads and many quite successfully others were less willing or less capable so rail development necessarily became a federal concern. *Railroads and American Political Development* shows how this led to the Land Grant Act of 1850, a crucial piece of legislation in the building of both the nation's infrastructure and the American state. Chronicling how this previously local issue migrated to the federal state and how federal action then altered American rail planning, the book offers a new perspective on the exact nature of federalism. In the case of rail development we see how state governments factor into the American state building process and how in turn the separation of powers at the federal level shaped that process. The result is a fresh view of the development of the American rail system as well as a clearer picture of the pressures and political logic that have altered and expanded the reach of American federalism.

*The Tycoons* Charles R. Morris, 2006-10-03 Makes a reader feel like a time traveler plopped down among men who were by turns vicious and visionary. The *Christian Science Monitor* The modern American economy was the creation of four men: Andrew Carnegie, John D. Rockefeller, Jay Gould, and J. P. Morgan. They were the giants of the Gilded Age, a moment of riotous growth that established America as the richest, most inventive, and most productive country on the planet. Acclaimed author Charles R. Morris vividly brings the men and their times to life. The ruthlessly competitive Carnegie, the imperial Rockefeller, and the provocateur Gould were obsessed with progress, experiment, and speed. They were balanced by Morgan, the gentleman businessman who fought instead for a global trust in American business. Through their antagonism and their verve, they built an industrial behemoth and a country of middle class consumers. *The Tycoons* tells the incredible story of how these four determined men wrenched the economy into the modern age, inventing a nation of full economic participation that could not have been imagined only a few decades earlier.

*The Station Agent and the American Railroad Experience* H. Roger Grant, 2023-01-03 Before the widespread popularity of automobiles, buses, and trucks, freight and passenger trains bound the nation together. *The Station Agent and the American*

Railroad Experience explores the role of local frontline workers that kept the country's vast rail network running. Virtually every community with a railroad connection had a depot and an agent. These men and occasionally women became the official representatives of their companies and were highly respected. They met the public when they sold tickets, planned travel itineraries, and reported freight and express shipments. Additionally, their first-hand knowledge of Morse code made them the most informed in town. But as times changed, so did the role of and the need for the station agent. Beautifully illustrated with dozens of vintage photographs, *The Station Agent* and the *American Railroad Experience* brings back to life the day-to-day experience of the station agent and captures the evolution of railroad operations as technology advanced.

**The Challenge of Remaining Innovative** Sally H. Clarke, Naomi R. Lamoreaux, Steven W. Usselman, 2009. The contributors explore two main themes: the challenge of remaining innovative and the necessity of managing institutional boundaries in doing so. The book is organized into four parts which move outward from individual firms to networks or clusters of firms to consultants and other intermediaries in the private economy who operate outside of the firms themselves, and finally to government institutions and politics. Editor.

**Ruling Passions** Richard R. John, 2010-11. This work was originally published as a special issue of *Journal of Policy History* vol 18 no 1 2006. T p verso.

*The Pennsylvania Railroad* Albert J. Churella, 2024-11-26. The final volume of Albert J. Churella's landmark series *The Pennsylvania Railroad* concludes the story of the iconic transportation company covering its long decline from the 1930s to its merger with the New York Central Railroad in 1968. Despite some parallels with World War I, the experience of World War II had a substantially different impact on the Pennsylvania Railroad. The introduction of new technologies, personnel, and commuter routes had significant effects on this giant of American transportation. The recession of 1958 sparked a period of decline from which it and many other railroads struggled to fully recover. *The Pennsylvania Railroad: The Long Decline 1933-1968* provides an unparalleled look at the final years of this legendary company which in its prime was the largest corporation in the world with a budget second only to that of the US federal government.

**Train Time** John R. Stilgoe, 2009-02-05. Unlike many United States industries, railroads are intrinsically linked to American soil and particular regions. Yet few Americans pay attention to rail lines even though millions of them live in an economy and culture waiting for the train. In *Train Time: Railroads and the Imminent Reshaping of the United States Landscape*, John R. Stilgoe picks up where his acclaimed work *Metropolitan Corridor* left off, carrying his ideas about the spatial consequences of railways up to the present moment. Arguing that the train is returning an economic and cultural tsunami about to transform the United States, Stilgoe posits a future for railways as powerful shapers of American life. Divided into sections that focus on particular aspects of the impending impact of railroads on the landscape, *Train Time* moves seamlessly between historical and contemporary analysis. From his reading of what prompted investors to reorient their thinking about the railroad industry in the late 1970s to his exploration of creative solutions to transportation problems and land use planning and development in the present, Stilgoe expands our perspective.

of an industry normally associated with bad news Urging us that the magic moment is now he observes Now a train is often only a whistle heard far off on a sleepless night But romantic or foreboding or empowering the whistle announces return and change to those who listen For scholars with an interest in American history in general and railroad and transit history in particular as well as general readers concerned about the future of transportation in the United States Train Time is an engaging look at the future of our railroads

**Patent Politics** Shobita Parthasarathy, 2017-02-21 Over the past thirty years the world's patent systems have experienced pressure from civil society like never before From farmers to patient advocates new voices are arguing that patents impact public health economic inequality morality and democracy These challenges to domains that we usually consider technical and legal may seem surprising But in Patent Politics Shobita Parthasarathy argues that patent systems have always been deeply political and social To demonstrate this Parthasarathy takes readers through a particularly fierce and prolonged set of controversies over patents on life forms linked to important advances in biology and agriculture and potentially life saving medicines Comparing battles over patents on animals human embryonic stem cells human genes and plants in the United States and Europe she shows how political culture ideology and history shape patent system politics Clashes over whose voices and which values matter in the patent system as well as what counts as knowledge and whose expertise is important look quite different in these two places And through these debates the United States and Europe are developing very different approaches to patent and innovation governance Not just the first comprehensive look at the controversies swirling around biotechnology patents Patent Politics is also the first in depth analysis of the political underpinnings and implications of modern patent systems and provides a timely analysis of how we can reform these systems around the world to maximize the public interest

**The Angola Horror** Charity Vogel, 2013-08-30 On December 18 1867 the Buffalo and Erie Railroad's eastbound New York Express derailed as it approached the high truss bridge over Big Sister Creek just east of the small settlement of Angola New York on the shores of Lake Erie The last two cars of the express train were pitched completely off the tracks and plummeted into the creek bed below When they struck bottom one of the wrecked cars was immediately engulfed in flames as the heating stoves in the coach spilled out coals and ignited its wooden timbers The other car was badly smashed About fifty people died at the bottom of the gorge or shortly thereafter and dozens more were injured Rescuers from the small rural community responded with haste but there was almost nothing they could do but listen to the cries of the dying and carry away the dead and injured thrown clear of the fiery wreck The next day and in the weeks that followed newspapers across the country carried news of the Angola Horror one of the deadliest railway accidents to that point in U S history In a dramatic historical narrative Charity Vogel tells the gripping true to life story of the wreck and the characters involved in the tragic accident Her tale weaves together the stories of the people some unknown others soon to be famous caught up in the disaster the facts of the New York Express's fateful run the fiery scenes in the creek ravine and the subsequent legal legislative and journalistic search for answers to the question what

had happened at Angola and why The Angola Horror is a classic story of disaster and its aftermath in which events coincide to produce horrific consequences and people are forced to respond to experiences that test the limits of their endurance Vogel sets the Angola Horror against a broader context of the developing technology of railroads the culture of the nation s print media the public policy legislation of the post Civil War era and finally the culture of death and mourning in the Victorian period The Angola Horror sheds light on the psyche of the American nation The fatal wreck of an express train nine years later during a similar bridge crossing in Ashtabula Ohio serves as a chilling coda to the story

**Ages of American Capitalism** Jonathan Levy,2021-04-20 A leading economic historian traces the evolution of American capitalism from the colonial era to the present and argues that we ve reached a turning point that will define the era ahead A monumental achievement sure to become a classic Zachary D Carter author of The Price of Peace In this ambitious single volume history of the United States economic historian Jonathan Levy reveals how capitalism in America has evolved through four distinct ages and how the country s economic evolution is inseparable from the nature of American life itself The Age of Commerce spans the colonial era through the outbreak of the Civil War and the Age of Capital traces the lasting impact of the industrial revolution The volatility of the Age of Capital ultimately led to the Great Depression which sparked the Age of Control during which the government took on a more active role in the economy and finally in the Age of Chaos deregulation and the growth of the finance industry created a booming economy for some but also striking inequalities and a lack of oversight that led directly to the crash of 2008 In Ages of American Capitalism Levy proves that capitalism in the United States has never been just one thing Instead it has morphed through the country s history and it s likely changing again right now A stunning accomplishment an indispensable guide to understanding American history and what s happening in today s economy Christian Science Monitor The best one volume history of American capitalism Sven Beckert author of Empire of Cotton

**A Government Out of Sight** Brian Balogh,2009-04-06 A Government Out of Sight revises our understanding of the ways in which Americans turned to the national government throughout the nineteenth century

*The Invention of Enterprise* David S. Landes,Joel Mokyr,William J. Baumol,2012-02-26 A sweeping global history of entrepreneurial innovation Whether hailed as heroes or cast as threats to social order entrepreneurs and their innovations have had an enormous influence on the growth and prosperity of nations The Invention of Enterprise gathers together for the first time leading economic historians to explore the entrepreneur s role in society from antiquity to the present Addressing social and institutional influences from a historical context each chapter examines entrepreneurship during a particular period and in an important geographic location The book chronicles the sweeping history of enterprise in Mesopotamia and Neo Babylon carries the reader through the Islamic Middle East offers insights into the entrepreneurial history of China Japan and Colonial India and describes the crucial role of the entrepreneur in innovative activity in Europe and the United States from the medieval period to today In considering the critical contributions of entrepreneurship the authors discuss why entrepreneurial activities are not always

productive and may even sabotage prosperity They examine the institutions and restrictions that have enabled or impeded innovation and the incentives for the adoption and dissemination of inventions They also describe the wide variations in global entrepreneurial activity during different historical periods and the similarities in development as well as entrepreneurship's role in economic growth The book is filled with past examples and events that provide lessons for promoting and successfully pursuing contemporary entrepreneurship as a means of contributing to the welfare of society The *Invention of Enterprise* lays out a definitive picture for all who seek an understanding of innovation's central place in our world

The Republic for which it Stands Richard White, 2017 The newest volume in the Oxford History of the United States series *The Republic for Which It Stands* argues that the Gilded Age along with Reconstruction its conflicts rapid and disorienting change hopes and fears formed the template of American modernity

*Sovereign Skies* Sean Seyer, 2021-03-23 This work is a history of US aviation regulation in the interwar period of the early twentieth century The author presents the Air Commerce Act as the institutionalization of a specific American regulatory ideology that arose in response to the technological nature of the airplane the US Constitution and the Paris Convention of 1919

Capital's Terrorists Chad E. Pearson, 2022-10-05 Through the late nineteenth and early twentieth centuries employers and powerful individuals deployed a variety of tactics to control ordinary people as they sought to secure power in and out of workplaces In the face of worker resistance employers and their allies collaborated to use a variety of extralegal repressive techniques including whippings kidnappings drive out campaigns incarcerations arsons hangings and shootings as well as less overtly illegal tactics such as shutting down meetings barring speakers from lecturing through blacklists and book burning This book draws together the groups engaged in this kind of violence reimagining the original Ku Klux Klan various Law and Order Leagues Stockgrowers organizations and Citizens Alliances as employers associations driven by unambiguous economic and managerial interests Though usually discussed separately all of these groups used similar language to tar their lower class challengers former slaves rustlers homesteaders of modest means populists political radicals and striking workers as menacing villains and deployed comparable tactics to suppress them And perhaps most notably spokespersons for these respective organizations justified their actions by insisting that they were committed to upholding law and order Ultimately this book suggests that the birth of law and order politics as we know it can be found in nineteenth century campaigns of organized terror against an assortment of ordinary people across racial lines conducted by Klansmen lawmen vigilantes and union busters

**Constructing Iron Europe** Irene Anastasiadou, 2011-12-01 Conventional histories portray the development of railway infrastructures as a tool to build empires and nation states Recent scholarship however has stressed the importance of a transnational perspective beyond an exclusive focus on the nation state The new perspective enriches both the history of modern Europe and European integration *Constructing Iron Europe* demonstrates how during the interwar years key players saw railroads as instruments for building a transnational European community Based on new archival research Anastasiadou

not only sheds light on patterns of internationalization of railways but also explores the co construction of the national and the European in the case of the Greek railways in the Interbellum period Foundation for the History of Technology Amsterdam University Press Technology and European History Series TEHS Studies in Law, Politics and Society Austin Sarat, 2010-03-05 This volume of Studies in Law Politics and Society contains a sampling of work from some of the most promising junior scholars in the next generation of the law and society community Nominated by their advisors or mentors their work explores some of the newest areas of law and society research as well as brings fresh insight to bear on enduring

*The Best Transportation System in the World* Mark H. Rose, Bruce E. Seely, Paul F. Barrett, 2010-07-08 This book focuses on the role of government in organizing the nation's transportation industries As the authors show over the course of the twentieth century transportation in the United States was as much a product of hard fought politics lobbying and litigation as it was a naturally evolving system of engineering and available technology *Software Rights* Gerardo Con Diaz, 2019-10-22 A new perspective on United States software development seen through the patent battles that shaped our technological landscape This first comprehensive history of software patenting explores how patent law made software development the powerful industry that it is today Historian Gerardo Con Diaz reveals how patent law has transformed the ways computing firms make own and profit from software He shows that securing patent protection for computer programs has been a central concern among computer developers since the 1950s and traces how patents and copyrights became inseparable from software development in the Internet age Software patents he argues facilitated the emergence of software as a product and a technology enabled firms to challenge each other's place in the computing industry and expanded the range of creations for which American intellectual property law provides protection Powerful market forces aggressive litigation strategies and new cultures of computing usage and development transformed software into one of the most controversial technologies ever to encounter the American patent system



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